

WHAT IS CLAIMED IS:

1. A signal coupling apparatus, comprising:  
a circuit having
  - (a) a capacitor for coupling a signal to a power line; and
  - (b) a switch in series with said capacitor,wherein said circuit is for connection between said power line and another circuit.
2. The signal coupling apparatus of claim 1, wherein said another circuit is a grounded circuit.
3. The signal coupling apparatus of claim 1, wherein said capacitor includes a terminal for connection to said power line.
4. The signal coupling apparatus of claim 1, further comprising a component for remotely actuating said switch.
5. The signal coupling apparatus of claim 1, further comprising an insulating cord for actuating said switch.
6. The signal coupling apparatus of claim 1, further comprising a time delay mechanism for actuating said switch.
7. The signal coupling apparatus of claim 1, further comprising a resistor in parallel with said switch, wherein said resistor and said capacitor form an RC time constant that is substantially less a period of a power frequency on said power line.
8. The signal coupling apparatus of claim 7,  
wherein said resistor is a first resistor having a first resistance,

wherein said signal coupling apparatus further comprises a second resistor connected in parallel with said capacitor and having a second resistance, and

wherein said second resistance is at least one hundred times greater than said first resistance.

9. A method for attaching a coupling capacitor to an energized power line, comprising:

providing a circuit having a switch in series with said coupling capacitor; connecting a terminal of said circuit to said energized power line; and closing said switch.

10. The method of claim 9, where said connecting comprises connecting a terminal of said capacitor to said power line.

11. The method of claim 9, wherein said closing comprises actuating said switch from a location remote from said switch.

12. The method of claim 9, wherein said closing comprises using an insulating cord to actuate said switch.

13. The method of claim 9, wherein said closing comprises using a time delay mechanism for actuating said switch.

14. A method comprising:

connecting a capacitor to a power line;  
connecting a resistor in series with said capacitor; and  
connecting a switch in parallel with said resistor to effect a connection between said capacitor and a circuit.